

What is claimed is:

1. A method of accessing a group in a clustered computer system, wherein the clustered computer system includes a plurality of nodes, and wherein the group includes a plurality of members resident respectively on the plurality of nodes, the method comprising:

(a) receiving an access request on a first node in the plurality of nodes, wherein the access request identifies a cluster-private group name associated with the group; and

(b) processing the access request on the first node to initiate a group operation on at least a subset of the plurality of nodes that map to the cluster-private group name.

2. The method of claim 1, further comprising generating the access request with a user job resident on the first node.

3. The method of claim 2, further comprising forwarding the access request to a clustering infrastructure resident in the first node via a call from the user job.

4. The method of claim 1, further comprising:

(a) generating the access request with a user job resident on a second node in the plurality of nodes; and

(b) processing the access request with a proxy job resident on the second node by communicating the access request to the first node.

5. The method of claim 4, wherein the proxy job is a member of a cluster control group, the method further comprising:

(a) forwarding the access request from the user job to the proxy job;

and

(b) forwarding the access request from the proxy job to a clustering infrastructure resident in the second node via a call from the proxy job.



- private group name
- the plurality of

2 (a) a memory accessible by a first node among a plurality of nodes in a  
3 clustered computer system; and

1           16. The apparatus of claim 15, further comprising a user job configured to  
2   generate the access request.

1           18. The apparatus of claim 17, further comprising a proxy job configured to  
2           forward the access request from the user job to the clustering infrastructure.

(a) a cluster-private data structure configured to store the cluster-private group name; and

1           20. The apparatus of claim 19, wherein the cluster-private data structure is  
2   resident on the same node as the user job.

21. The apparatus of claim 20, wherein the cluster-private data structure is accessible only from the node upon which the cluster-private data structure is resident.

1           23. The apparatus of claim 22, wherein the program comprises a clustering  
2   infrastructure, and wherein the group address data structure is local to the clustering  
3   infrastructure.

24. The method of claim 15, wherein the program is further configured to process the access request by locally resolving on the first node a mapping between the cluster-private group name and a plurality of addresses associated with at least the subset of the plurality of nodes.

1       25. A clustered computer system, comprising:

2               (a) a plurality of nodes coupled to one another over a network;

3               (b) a group including a plurality of members resident respectively on  
4 the plurality of nodes; and

5               (c) a program resident in a first node among the plurality of nodes and  
6 configured to access the group by receiving an access request that identifies a  
7 cluster-private group name associated with the group, and processing the  
8 access request to initiate a group operation on at least a subset of the plurality  
9 of nodes that map to the cluster-private group name.

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1           26. A program product, comprising:

2                   (a) a program resident in the memory and executed by a first node  
3           among a plurality of nodes in a clustered computer system, the program  
4           configured to access a group that includes a plurality of members resident  
5           respectively on the plurality of nodes by receiving an access request that  
6           identifies a cluster-private group name associated with the group, and  
7           processing the access request to initiate a group operation on at least a subset  
8           of the plurality of nodes that map to the cluster-private group name; and  
9                   (b) a signal bearing medium bearing the program.

1           27. The program product of claim 26, wherein the signal bearing medium  
2           includes at least one of a transmission medium and a recordable medium.

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